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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/512,884	02/25/2000	Toshiyuki Kashiwagi	000207	7754
23850	7590	02/28/2005	EXAMINER	
ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP			HUYNH, KIM T	
1725 K STREET, NW			ART UNIT	PAPER NUMBER
SUITE 1000				
WASHINGTON, DC 20006			2112	

DATE MAILED: 02/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	09/512,884	KASHIWAGI ET AL.
	Examiner	Art Unit
	Kim T. Huynh	2112

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 08 December 2004.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-9 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-9 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 25 February 2000 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>5/28/04</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-5, 7-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Clancy et al. (US Patent 5,168,427)

As per claim 1, Clancy discloses an electronic apparatus to which an input device is connected, comprising:

- A main unit(14);
- A display unit(32) rotatably attached to the main unit(14); and
- A retaining mechanism retaining at least one portion of the input device into a space which is formed by between the display unit and the main unit when the input device is not used, wherein the input device is completely detachable from the space. (wherein pin 46, latch assembly 54), (fig.3, col.3, lines 3-16, release the lock input device pop up from space and by removing the pin 46 the input device 10 is completely detachable)

As per claim 2, Clancy discloses wherein the retaining mechanism comprises at least one supporting member(80).

As per claims 3, 5, Clancy discloses wherein the retaining mechanism further comprises a supporting member(80) is mounted so as to be storable in the main unit when the input device is not being stored.

As per claim 4, Clancy discloses wherein the retaining mechanism comprises an engaging member (46) engaging the main unit(14) and the input device(10).

As per claim 7, Clancy discloses an input device 10 detachably connected to an electric apparatus having a display unit 32 rotatably attached to a main unit 14, the input device comprising at least one engaging member engaging the main unit so that at least one position of the input device is retained into a space which is formed between the display unit and the main unit, wherein the input device is completely detachable from the space. (wherein pin 46, latch assembly 54, fig.3, col.3, lines 3-16, release the lock input device pop up from space and by removing the pin 46 the input device 10 is completely detachable)

As per claim 8, Clancy discloses an electronic apparatus, comprising:

- A main unit(14);
- A keyboard (10) detachable from the main unit;
- A display unit (32) rotatably attached to the main unit, and
- A supporting member (80) rotatably mounted to the main unit to hold the keyboard against the main unit when the supporting member is lowered from the main unit and the keyboard is mounted on the supporting member, wherein when the keyboard is mounted on the supporting member and the display unit is rotated down, the keyboard 10 is disposed

in a space between the display unit 32 and the main unit 14, wherein the input device is completely detachable from the space. (wherein pin 46, latch assembly 54), (fig.3, col.3, lines 3-16, release the lock input device pop up from space and by removing the pin 46 the input device 10 is completely detachable)

As per claim 9, Clancy discloses a main unit used for an electronic apparatus to which an input device is connected, the electronic apparatus having a display unit (32) rotatably attached to the main unit(14), the main unit comprising a support member (80), wherein the support member projects from a front surface of the main unit into a space formed between the display unit (32) and the main unit, so that at least one portion of the input device is retained into the space when the input device is not used, and wherein the input device is completely detachable from the space. (wherein pin 46, latch assembly 54), (fig.3, col.3, lines 3-16, release the lock input device pop up from space and by removing the pin 46 the input device 10 is completely detachable)

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Clancy et al. (US Patent 5,168,427) in view of Kimura et al. (US Patent 6,108,716)

Clancy discloses all the limitations as above except an electronic apparatus further comprising detector detecting each of a storage and a removal operation of the input device and controlling predetermined operation of the electronic apparatus according to signal of detector. However, Kimura discloses detect sensor which detects keyboard is mounted on the system, terminals which send or receive signals to or from terminal for keyboard of system. (col.10, lines 24-42)

It would have been obvious to one having ordinary skills in the art at the time the invention was made to incorporate Kimura's teaching into Clancy's method so as to provide a data processing unit which stabilizes the system, with the keyboard detached from the system regardless of the position of the display unit with respect to the system. (col.1, lines 45-50)

Response to Amendment

4. Applicant's amendment filed on 12/08/04 have been fully considered but are not place application in condition for allowance.
 - a. Applicant argues that the keyboard simply pivots about pivot pin(46) and pivot pin is not designed to be removed and the keyboard is not completely detachable from the space as recited in the independent claims. Examiner respectfully disagrees. Since "detachable" is not a positive recitation. And the pivot pin although is not designed to be removed but it is removable, thus the input device is capable of being completely detachable. As Clancy notes at (col.4, lines 56- col.5, line 7) figure 5, pin 46, as broadly claimed, the input device 10 is completely detachable from the space by removing the

pin (46). Thus, the prior art teaches the invention as claimed and the claims do not distinguish over the prior art as applied.

Conclusion

5. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

6. *Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kim Huynh whose telephone number is (571)272-3635 or via e-mail addressed to [kim.huynh3@uspto.gov]. The examiner can normally be reached on M-F 9.00AM- 6:00PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached at (571)272-3632 or via e-mail addressed to [mark.Rinehart@uspto.gov].*

The fax phone numbers for the organization where this application or proceeding is assigned are (703)872-9306 for regular communications and After Final communications. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571)272-2100.

Kim Huynh

Feb. 23, 2005


TIMVO
PRIMARY EXAMINER